

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Wikdahl

Application No. Unassigned

Filed: February 11, 2002

Art Unit: Unassigned

Examiner: Unassigned

For: PROCESS AND APPARATUS FOR  
THE PRODUCTION OF CELLULOSE  
PULPS OF IMPROVED QUALITY

**AMENDMENTS TO CLAIMS MADE VIA PRELIMINARY AMENDMENT**

33. (New) An apparatus for processing cellulose pulps comprising in combination: a first refiner stage R1, R2 for preparing a pulp suspension, a screening stage S for separating shives from said pulp suspension, a first hydrocyclone stage C1, C2 including at least one hydrocyclone for separating fibers with low bonding ability from the pulp suspension, a second hydrocyclone stage D1, D2, D3 including at least one hydrocyclone for separating contaminants of high specific weight from the pulp suspension, and a second refiner stage RR for treating accepts from the second hydrocyclone stage and from the screening stage S.

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**PENDING CLAIMS AFTER ENTRY OF PRELIMINARY AMENDMENT**

33. An apparatus for processing cellulose pulps comprising in combination: a first refiner stage R1, R2 for preparing a pulp suspension, a screening stage S for separating shives from said pulp suspension, a first hydrocyclone stage C1, C2 including at least one hydrocyclone for separating fibers with low bonding ability from the pulp suspension, a second hydrocyclone stage D1, D2, D3 including at least one hydrocyclone for separating contaminants of high specific weight from the pulp suspension, and a second refiner stage RR for treating accepts from the second hydrocyclone stage and from the screening stage S.